AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A traffic monitoring system which monitors network traffic in a network in which transmission priority of a packet to be transmitted in the network is changed according to an attribute of the packet, comprising:

a monitor unit which monitors ~~the packet~~ transmitted packets; and

an accumulate unit which accumulates, separately for each attribute, ~~traffic information corresponding to~~ a quantity of the monitored packets and a combined total length of the monitored ~~packet~~ packets.

2. (currently amended) The traffic monitoring system of claim 1, wherein the ~~packet is an~~ packets are IP ~~packet~~ packets in an IP network, and the attribute ~~of the packet~~ includes at least one of a service class ~~of the IP packet~~ and sub network address of the IP network.

3-9. (canceled)

10. (currently amended) A traffic monitoring method which monitors network traffic in a network in which transmission priority of a packet to be transmitted in the network is changed according to an attribute of the packet, comprising the steps of:

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monitoring ~~the packet~~ transmitted packets; and

accumulating, <u>separately</u> for each attribute, ~~traffic information corresponding to~~ <u>a quantity of the monitored packets and a combined total length of</u> the monitored ~~packet~~ <u>packets</u>.

11. (currently amended) The traffic monitoring method of claim 10, wherein the ~~packet is an~~ <u>packets are</u> IP ~~packet~~ <u>packets</u> in an IP network, and the attribute ~~of the packet~~ includes a service class ~~of the IP packet~~ and sub network address of the IP network.

12-18. (canceled)

19. (currently amended) A recording medium readable by a computer, tangibly embodying a program of instructions executable by the computer to perform a traffic monitoring method which monitors network traffic in a network in which transmission priority of a packet to be transmitted in the network is changed according to an attribute of the packet, comprising the steps of:

monitoring ~~the packet~~ <u>transmitted packets</u>; and

accumulating, <u>separately</u> for each attribute, ~~traffic information corresponding to~~ <u>a quantity of the monitored packets and a combined total length of</u> the monitored ~~packet~~ <u>packets</u>.

20. (canceled)

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